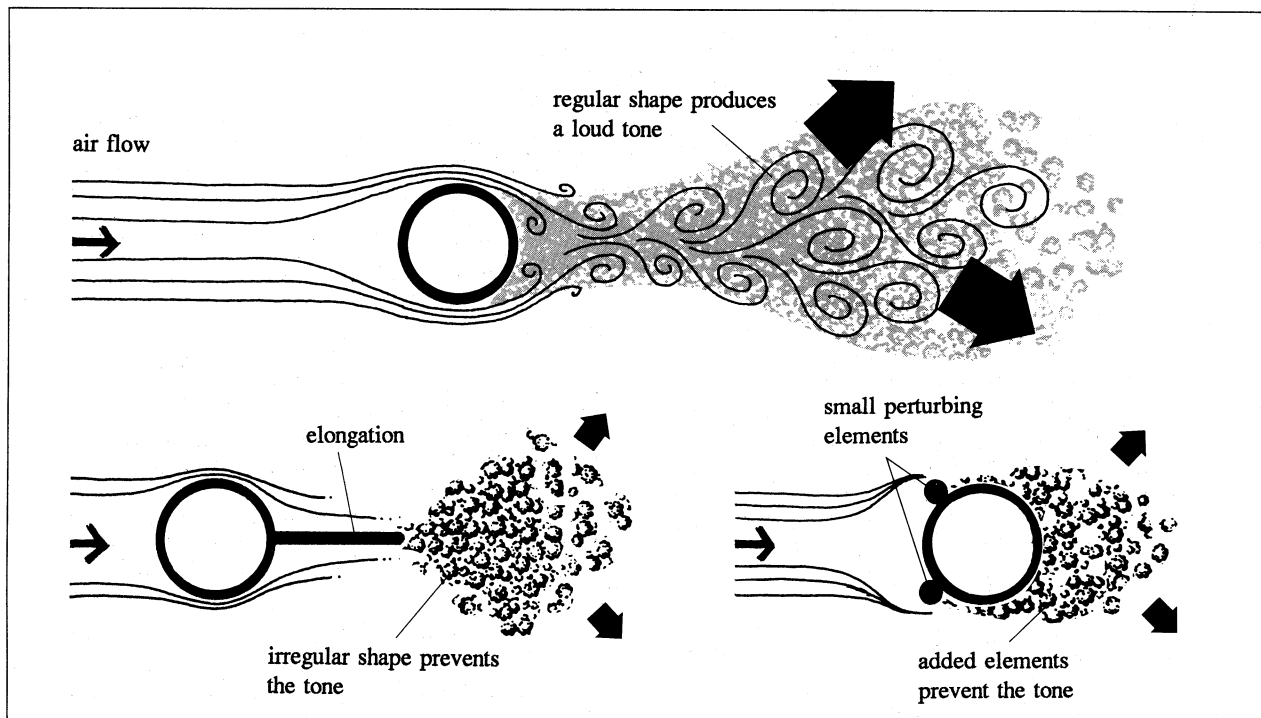


# WIND TONES CAN BE ELIMINATED

When air passes by an object at certain speeds, a strong pure tone, known as a Karman tone, can be produced. This tone can be prevented by making the object longer in the direction of flow, such as with a "tail," or by making the object's shape irregular.

## Principle



## Application with wind currents

### Example

At certain wind speeds, loud sounds can be produced by a smoke stack.

### Control Measure

A strip of sheet metal is mounted on the smoke stack in a spiral. The pitch of the spiral must not be constant. Regardless of its direction, the wind encounters an irregular object.

